Software Requirements Specification

For

Smart Homeopathy Doctor App

<Version 1.0>

Prepared by Homeopathy Team

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Revision History

Date	Version	Description	Author
04/14/2021	1.0	Filled in initial information Introduction, Overall Description, Data Requirements, External Interface Requirements	Delaney Ochs
04/14/2021	1.1	Revision of initial information	Marko Vulovic
04/28/2021	1.2	System Features, Community Forum Table	Delaney Ochs

1.	Introduction

1.1 Purpose
This document describes the functional and nonfunctional requirements for software release 1.0 of the Hygieia Homeopathy Smart Doctor App. This document is intended to be used by the members of the project team who will implement and verify the correct functioning of the system.

1.2 Project Scope

1.3 References

1.3.1 Vision and Scope Document
Vision Document

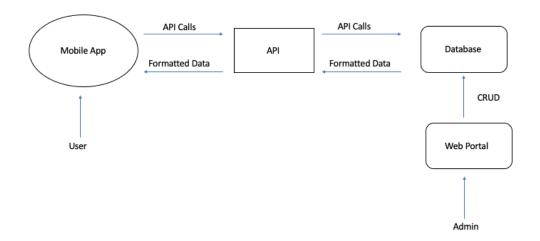### 1.3.2 Use Cases
Use Cases

1.3.3 Glossary
Glossary

2. Overall Description

2.1 Product Perspective
This product is a mobile application, and its primary function is to allow users to query a server-hosted database. The content of this database includes publicly available (non-sensitive) data such as articles and testimonies pertaining to homeopathy, as well as patient portal which allows users to schedule appointments and purchase homeopathy remedies and services. Database CRUD operations will be performed by the administrator.

2.2 User Classes and Characteristics

User Class	Description
User	A person who has downloaded the Homeopathy app in their smartphone and has access to the content.
Administrator	A person who uses the app with the most privileged user account that can make changes to the app's infrastructure.

2.3 Operating Environment

OE-1: The website shall operate on these web browsers: Microsoft Edge, Google Chrome (all versions); Firefox versions 71; and Apple Safari versions 11.0 and up.

OE-2: The Hygieia Homeopathy App shall operate correctly on iOS and Android cell phones with the stable internet connection.

2.4 Design and Implementation Constraints

CO-1: The app's design, code, and maintenance shall confirm Angular documentation with latest versions of HTML, CSS, and Typescript.

CO-2: The app shall use Firebase.

CO-3: All HTML code shall confirm to the HTML 5.0 standard.

2.5 Assumptions and Dependencies

1. This application will be developed using Ionic, an open source UI toolkit for building performant, high-quality mobile apps (for both Android and iOS) using languages- HTML, CSS, and JavaScript - with integrations for popular frameworks like Angular.

2. Hygieia Homeopathy's existing website (front-end) will not interact with this mobile application.

3. Cloud hosting will be done through Firebase, a NoSQL database program, which stores data in JSON-like documents.

3. System Features

3.1 Appointment Scheduling

3.1.1 Description

3.1.2 Functional Requirements

3.2 Shop Natural Products

3.2.1 Description

3.2.2 Functional Requirements

3.3 Patient Dashboard

3.3.1 Description

Every user will have a dashboard where they can schedule appointments, view their billing and personal records, shop for products and courses through the Vagaro website. Users can also submit forms, contact admin and provide a review.

3.3.2 Functional Requirements

User must make an account with Vagaro to access appointments, shop, and courses, and make a review on Vagaro's website.

3.4 Access Healing Content

3.4.1 Description

Patients will have the ability to peruse content related to the practice of homeopathy and how/why it works. Users with administrative access will have the ability to create, read, update, and delete heal naturally content.

3.4.2 Functional Requirements

Content created or edited by an administrator is reflected in the database and updated on application. Admin must be logged into the admin portal to make database changes.

3.5 Community Forum

3.5.1 Description

Users will have the ability to live communicate with other users through posts and comments.

3.5.2 Functional Requirements

Administrator will receive a notification via email for each forum post and comment.

3.6 Search Content

3.6.1 Description

Patients will have the ability to search for relevant information in the clinic's knowledge base. Users with administrative access will have the ability to create, read, update, and delete information in the database via private admin url.

3.6.2 Functional Requirements

Content created or edited by an administrator is reflected in the database and updated on application. User's do not need to be logged in to view content.

3.7 Modify Healing Content

3.7.1 Description

User logs in and verifies themselves first to prove that they are admins in order to access the database. From there, they will be able to access and view the database and make changes if wanted.

3.7.2 Functional Requirements

Content created or edited by an administrator is reflected in the database and updated on application. Admin must be logged into the admin portal to make database changes.

3.8 Admin Login to Admin Portal

3.8.1 Description

3.8.2 Functional Requirements

3.9 Admin Notifications

3.9.1 Description

Administrators will be sent notifications for each community forum post and comment to their email. Set up through Firebase Cloud Messaging.

3.9.2 Functional Requirements

Admin must provide email on Firebase for Community Forum notifications to be sent.

3.10 Home Page Homeopathy Content

3.10.1 Description

User logs in and verifies themselves first to prove that they are admins in order to access the database. From there, they will be able to access and view the database and make changes if wanted.

3.10.2 Functional Requirements

Content created or edited by an administrator is reflected in the database and updated on application. Admin must be logged into the admin portal to make database changes.

4. Data Requirements

4.1 Community Forum Table

Data Element	Description	Data Type
Name	User inputs name for each post and comment	String
Title	User inputs a title description for their post and comment	String
Content	User writes content for each post and comment	String
Reply	Another user can respond to that post with their name and the content of reply	String

4.2 Data Acquisition, Integrity, Retention, and Disposal

DI-1: The system shall retain all information stored in Firebase related to the user's name, title post and post content until the administrator decides to remove them from the system.

5. External Interface Requirements

5.1 User Interfaces

UI-1: Hygieia Homeopathy has a common header "theme" applied to tab screens.

UI-2: The heal naturally and homeopathy content buttons has similar background and header theme.

5.2 Hardware Interfaces

No hardware interfaces have been identified.

6. Quality Attributes

6.1 Usability

UI-1: Hygieia Homeopathy has a common header "theme" applied to tab screens.

UI-2: The heal naturally and homeopathy content buttons has similar background and header theme.

6.2 Simplicity Needs Completion/Delete

PER-1: Simplicity is something we definitely wanted to pay attention to during development to allow easy content viewing and navigation.

6.3 Security

Administration login uses Firebase authentication.

6.4 Safety

No safety issues to note.

6.5 Availability

AVL-1: Hygieia Homeopathy is available to anyone with an android or iOS device.

7. Legal Requirements

No legal requirements to note.